

CURRENT STATUS OF THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A grating having a groove cross section shape and a groove bottom part, wherein said groove cross section shape is a half sinusoidal wave and said groove bottom part is shaped as a flat form.

2. (Original) The grating as claimed in claim 1, wherein a duty ratio of a groove width to a groove cycle of the grating is 0.5.

3. (Previously Presented) A grating having a groove cross section shape and a groove bottom part, wherein said groove cross section shape is a half sawtooth wave and said groove bottom part is shaped as a flat form.

4. (Withdrawn) A negative grating manufactured by transfer from a grating having a groove cross section shape other than a laminar shape and a groove bottom part shaped as a flat form.

5. (Previously Presented) A replica grating manufactured by transfer from a grating having a groove cross section shape other than a laminar shape and a

groove bottom part shaped as a flat form, wherein said groove cross section shape is selected from the group consisting of a half sinusoidal wave and a half sawtooth wave.

6. (Withdrawn) A method of manufacturing a negative grating, said comprising:

preparing an original grating having a groove cross section shape other than a laminar shape and a groove bottom part shaped as a flat form;

bonding a negative substrate onto the original grating with an adhesive; and
paring the negative substrate from the original grating after the adhesive is hardened.

7. (Withdrawn) A method of manufacturing a replica grating, said comprising:

preparing a negative grating manufactured from an original grating having a groove cross section shape other than a laminar shape and a groove top part shaped as a flat form;

bonding a replica substrate onto the negative grating with an adhesive; and
paring the replica substrate from the negative grating after the adhesive is hardened.

8. (Previously Presented) The grating as claimed in claim 3, wherein a duty ratio of a groove width to a groove cycle of the grating is 0.5.

9. (Previously Presented) The replica grating as claimed in claim 5, wherein a duty ratio of a groove width to a groove cycle of the grating is 0.5.